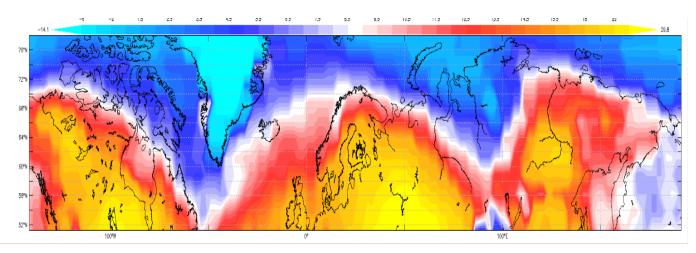
NAME:______ DATE:_____ CLASS:_____

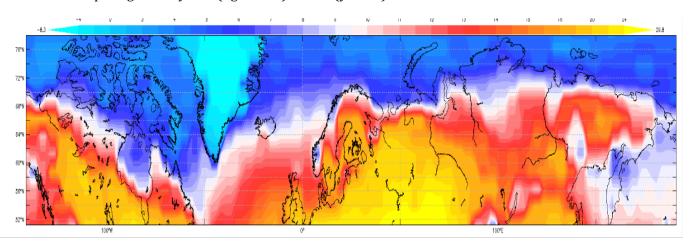
MY NASA DATA: March of the Polar bears: Global Change, Sea Ice, and Wild Life Migration http://mynasadata.larc.nasa.gov/?page_id=474?&passid=90

Use the following 3 plots to answer questions 1 – 4 below. These plots are for Walnut Grove, Minnesota, site of one of the Little House on the Prairie books.

Maps Part 1 – Monthly Near Surface Air Temperature Color Plot for June 1995 Temp range on key -4 C (light blue) to 24C (yellow)



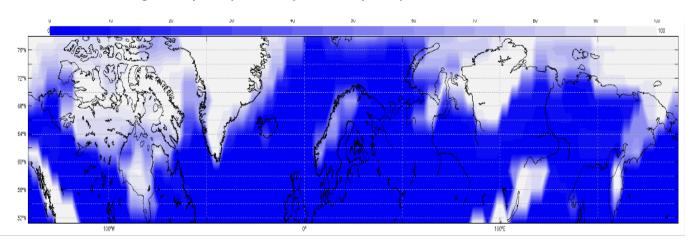
Maps Part 1 – Monthly Near Surface Air Temperature Color Plot for June 2005 Temp range on key -4 C (light blue) to 24C (yellow)



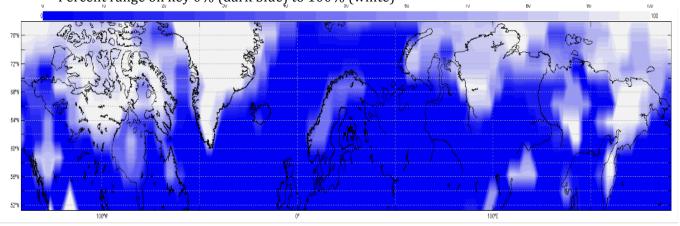
NAME:	DATE:	CLASS:
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MY NASA DATA: March of the Polar bears: Global Change, Sea Ice, and Wild Life Migration http://mynasadata.larc.nasa.gov/?page_id=474?&passid=90

Maps Part 1 – Monthly Snow-Ice Percent Coverage for June 1995 Percent range on key 0% (dark blue) to 100% (white)

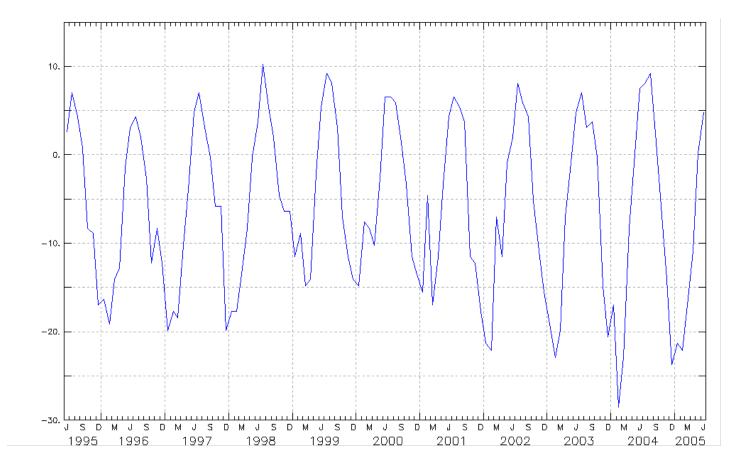


Maps Part 1 – Monthly Near Surface Air Temperature Color Plot for June 2005 Percent range on key 0% (dark blue) to 100% (white)



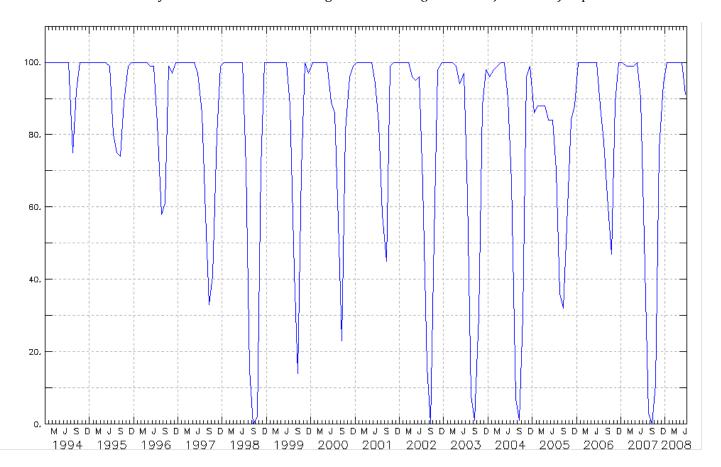
NAME:	DATE:	CLASS	·
MY NASA	DATA: March of the Polar bears: Gl	obal Change, Sea Ice,	and Wild Life Migration
	http://mynasadata.larc.nasa.g	ov/?page_id=474?&p	assid=90

Line Plots Part 1 - Monthly Near Surface Air Temperature Time Series (June 1995 - June 2005) in degree C



NAME:	DAT	`E:	_ CLASS:		
MY NASA	DATA: March of the Polar bears	s: Global Change,	Sea Ice, an	d Wild Life	Migration
	http://mynasadata.larc.na	sa.gov/?page_id=	474?&pas	sid=90	

Line Plots Part 2 - Monthly Snow-Ice Percent Coverage Time Series (June 1995-June 2005) in percent



NAME:	DATE:	CLASS:	
MY NASA DA		bal Change, Sea Ice, and Wild Life Mig	ration
Questions:			
1. Which year is war	mer in the South Beaufort Sea reg	ion, 1995 or 2005? How many degree	es warmer?
2. Which year has mo	ore snow-ice amount in the same	region? By how much?	
3. Using the line plot plots?	es, examine the seasonal oscillation	ns of the variables. Do you see any tre	nds in the line
4. Write a paragraph	ı describing your findings and con	clusions using the data results.	
5. Would you expect conclusions?	to see any impact on the habitat a	nd migration of polar bears based on	your
	ges that you study affect the people data would help you answer this	le of Northern Alaska and Western Ca question?	nada? What
-	e is a global change trend or just a data would help you answer this	local random variation? Explain your question?	answer. What
Eutonoiona			
Extensions:			

NAME:	DATE:	CLASS:	
MY NASA DAT	'A: March of the Polar bears: Global Cl	hange, Sea Ice, and Wi	ld Life Migration
	http://mynasadata.larc.nasa.gov/?pa	age_id=474?&passid=	90

1. Choose another animal species and consider the effects of climate change on their natural habitat and migration patterns.

2. Plan a migratory trip from the viewpoint of a polar bear. For example: Where (location) does your polar bear character begin and end the journey? Describe what your polar bear character experiences along the journey. For additional information, use the Polar Bear International website and Global Warming and Polar Bears links in the Lesson Links section.